

ABSTRACT OF THE DISCLOSURE

Even when a color difference diffusion (CD) method which allows high-speed color separation is used, it is difficult to attain preferred color reproduction corresponding to various user's requirements using a small-scale circuit. Hence, a color converter color-converts input image data using a 3D table selected from a plurality of 3D tables, and an interpolation process. A quantization processor obtains error-corrected data by adding error data to the color-converted image data. A dot pattern is selected based on the error-corrected data. The selected dot pattern is output to a print section. The error data is obtained by calculating the difference between a predetermined value corresponding to the dot pattern, and the error-corrected data. The error data is diffused to surrounding pixels.